Name

Polynomials - Complete the Square

1 Which constant value makes this polynomial a perfect square?

$$y^2 - 14y + ?$$

A	B	C	D	E	F
51	100	15	49	96	36

2 Which constant value makes this polynomial a perfect square?

$$m^2 - 10m + ?$$

A	B	C	D	E	F
68	9	25	34	16	4

3 Which constant value makes this polynomial a perfect square?

$$z^2 + 16z + ?$$

A	B	C	D	E	F
51	81	99	25	98	64

4 Which constant value makes this polynomial a perfect square?

$$r^2 + 12r + ?$$

A	B	C	D	E	F
16	50	81	36	9	11

5 Which constant value makes this polynomial a perfect square?

$$x^2 - 16x + ?$$

A	B	C	D	E	F
81	51	64	76	100	121

6 Which constant value makes this polynomial a perfect square?

$$r^2 + 4r + ?$$

A	B	C	D	E	F
9	25	13	5	1	4

7 Which constant value makes this polynomial a perfect square?

$$c^2 - 2c + ?$$

A	B	C	D	E	F
-1	9	4	7	1	0

8 Which constant value makes this polynomial a perfect square?

$$y^2 - 6y + ?$$

A	B	C	D	E	F
36	4	23	1	25	9